METHOD OF ADMINISTERING SOFTWARE COMPONENTS USING ASYNCHRONOUS MESSAGING IN A MULTI-PLATFORM, MULTI-PROGRAMMING LANGUAGE ENVIRONMENT

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ABSTRACT OF THE DISCLOSURE

A method for performing life cycle management of business software applications and their components across a multiple-platform, multiple-language network. The method takes advantage of the inheritance properties of object-oriented programming (OOP) by developing all components of a business application from a set of base classes, thus deploying a common set of methods across all application components. These methods enable monitoring by a Central Administrator element without interdependence between any of the business application components and the Central Administrator. The Central Administrator then determines when a need to reconfigure one or more components of the business application has arisen. The Central Administrator then modifies or replaces existing components of the business application or installs entirely new components over the network without end user interaction. In one embodiment of the present invention, the Central Administrator is aided by a set of Distributed Administrators located on each virtual node server/host computer of a business application operating over a network. The business application can thus reconfigured without terminating the application's business function in a scaleable, extensible manner without regard to platform or language.